



Jefferson Lab Alignment Group Data Transmittal

TO: L. Lee

DATE: 27 Oct 2005

FROM: J. Dahlberg

Checked:

: C1017

DETAILS:

The attached spreadsheet is located in: <..\\..\\DATA\\Fiduc\\HallC\\G0Backangle\\FW\\051026A>

Attached are the results from the inspection/fiducialization of the mini ferris wheel octants. A right handed coordinate system was established for each octant based on the aluminum support structure. A +Z is downstream along the incoming beam as installed in hall C, a +X is to the beam left, and a +Y is up. Each octant coordinate system is in an upright position as surveyed in the EEL building on the roll around supports and has not been rotated into the as installed position on the ferris wheel. Z = 0 is the downstream face of the aluminum support, X = 0 is centered horizontally on the support, and Y = 0 is at the top surface of the upper aluminum horizontal support. Listed in the attached spreadsheet are the corners of the foam box (FOAM points), the tooling balls (TB points), the detector points (R1-8 L1-8), and the four points used to establish the coordinate system (AL points). L and R refer to left and right as you look at the octants from downstream main beam line as installed in Hall C.